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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2009; month=6; day=4; hr=14; min=40; sec=44; ms=14;]

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Reviewer Comments:

1.
W402 Undefined organism found in <213> in SEQ ID (119)

<210> 119
<211> 102
<212> DNA
<213> recombinant construct
* * * * *

For SEQ ID # 119, numeric identifier <213> can only be one of three choices, "Scientific name, i.e. Genus/species, Unknown or Artificial Sequence." Numeric identifier <213> may not be the name of a gene or protein. For all sequences using "Unknown or Artificial sequence", for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of numeric identifier <220>, which remains blank and, numeric identifier <223>, which states the source of the genetic material. Suggest using "Artificial sequence" for numeric identifier <213> and "recombinant construct" for numeric identifier <223> in the mandatory feature. Please make all necessary changes.

2.
W402 Undefined organism found in <213> in SEQ ID (31)
W402 Undefined organism found in <213> in SEQ ID (32)
W402 Undefined organism found in <213> in SEQ ID (47)
W402 Undefined organism found in <213> in SEQ ID (48)
W213 Artificial or Unknown found in <213> in SEQ ID (49)
W213 Artificial or Unknown found in <213> in SEQ ID (50)

W213 Artificial or Unknown found in <213> in SEQ ID (51)
W213 Artificial or Unknown found in <213> in SEQ ID (52)
W213 Artificial or Unknown found in <213> in SEQ ID (53)
W213 Artificial or Unknown found in <213> in SEQ ID (54)
W213 Artificial or Unknown found in <213> in SEQ ID (55)
W213 Artificial or Unknown found in <213> in SEQ ID (56)
W213 Artificial or Unknown found in <213> in SEQ ID (57)
W213 Artificial or Unknown found in <213> in SEQ ID (58)
W213 Artificial or Unknown found in <213> in SEQ ID (59)
W402 Undefined organism found in <213> in SEQ ID (61)
W213 Artificial or Unknown found in <213> in SEQ ID (63)
W213 Artificial or Unknown found in <213> in SEQ ID (64)
W213 Artificial or Unknown found in <213> in SEQ ID (65)
W213 Artificial or Unknown found in <213> in SEQ ID (66)
W213 Artificial or Unknown found in <213> in SEQ ID (67)
W213 Artificial or Unknown found in <213> in SEQ ID (68)
W213 Artificial or Unknown found in <213> in SEQ ID (69)
W213 Artificial or Unknown found in <213> in SEQ ID (70)
W213 Artificial or Unknown found in <213> in SEQ ID (71) This
error has occurred more than 20 times, will not be displayed

The warnings shown above are ok and require no response.

Application No: 10539992 Version No: 3.0

Input Set:**Output Set:**

Started: 2009-05-18 17:22:58.039
Finished: 2009-05-18 17:23:07.952
Elapsed: 0 hr(s) 0 min(s) 9 sec(s) 913 ms
Total Warnings: 43
Total Errors: 0
No. of SeqIDs Defined: 119
Actual SeqID Count: 119

Error code	Error Description
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W 402	Undefined organism found in <213> in SEQ ID (32)
W 402	Undefined organism found in <213> in SEQ ID (47)
W 402	Undefined organism found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49)
W 213	Artificial or Unknown found in <213> in SEQ ID (50)
W 213	Artificial or Unknown found in <213> in SEQ ID (51)
W 213	Artificial or Unknown found in <213> in SEQ ID (52)
W 213	Artificial or Unknown found in <213> in SEQ ID (53)
W 213	Artificial or Unknown found in <213> in SEQ ID (54)
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W 213	Artificial or Unknown found in <213> in SEQ ID (56)
W 213	Artificial or Unknown found in <213> in SEQ ID (57)
W 213	Artificial or Unknown found in <213> in SEQ ID (58)
W 213	Artificial or Unknown found in <213> in SEQ ID (59)
W 402	Undefined organism found in <213> in SEQ ID (61)
W 213	Artificial or Unknown found in <213> in SEQ ID (63)
W 213	Artificial or Unknown found in <213> in SEQ ID (64)
W 213	Artificial or Unknown found in <213> in SEQ ID (65)
W 213	Artificial or Unknown found in <213> in SEQ ID (66)

Input Set:

Output Set:

Started: 2009-05-18 17:22:58.039
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Elapsed: 0 hr(s) 0 min(s) 9 sec(s) 913 ms
Total Warnings: 43
Total Errors: 0
No. of SeqIDs Defined: 119
Actual SeqID Count: 119

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (68)
W 213	Artificial or Unknown found in <213> in SEQ ID (69)
W 213	Artificial or Unknown found in <213> in SEQ ID (70)
W 213	Artificial or Unknown found in <213> in SEQ ID (71) This error has occurred more than 20 times, will not be displayed
W 402	Undefined organism found in <213> in SEQ ID (119)

SEQUENCE LISTING

<110> KURODA, Masaharu

<120> Plant with Reduced Protein Content in Seed, Method of
Constructing the Same and Method of Using the Same

<130> 59150-8035

<140> 10539992

<141> 2009-05-18

<150> PCT/JP2003/015753

<151> 2003-12-09

<150> JP 2002-369700

<151> 2002-12-20

<160> 119

<170> PatentIn version 3.3

<210> 1

<211> 617

<212> DNA

<213> Oryza sativa

<220>

<223> 13kD prolamine RM9

<400> 1

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<213> Oryza sativa

<220>

<223> 13kD prolamine RM9

<400> 2

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20             25             30
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 50 55 60
 Ser Pro Val Phe Gln Leu Arg Asn Cys Gln Val Met Gln Gln Gln Cys
 65 70 75 80
 Cys Gln Gln Leu Arg Met Ile Ala Gln Gln Ser His Cys Gln Ala Ile
 85 90 95
 Ser Ser Val Gln Ala Ile Val Gln Gln Leu Arg Leu Gln Gln Phe Ala
 100 105 110
 Ser Val Tyr Phe Asp Gln Ser Gln Ala Gln Ala Gln Ala Met Leu Ala
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 145 150 155

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<220>
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<220>
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 20 25 30
 Leu Gln Ser His Leu Leu Leu Gln Gln Gln Val Leu Ser Pro Cys Ser
 35 40 45
 Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp Gln
 50 55 60
 Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
 65 70 75 80

Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
 85 90 95
 Ser Ser Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln Val Gly
 100 105 110
 Val Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Ala Leu Leu Ala
 115 120 125
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 130 135 140
 Pro Arg Ser Ile Pro Thr Val Gly Gly Val Trp Tyr
 145 150 155

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 <213> Oryza sativa

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 <212> PRT
 <213> Oryza sativa

<220>
 <223> 13kD prolamine

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 Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
 35 40 45
 Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
 50 55 60
 Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln His Gln Ala
 65 70 75 80
 Gly Gly Gln Gln Ser Arg Tyr Gln Asp Ile Asn Ile Val Gln Ala Ile
 85 90 95
 Ala Tyr Glu Leu Gln Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp Arg
 100 105 110

Asn Gln Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Val Pro Ser Arg
 115 120 125
 Tyr Gly Ile Tyr Pro Arg Tyr Tyr Gly Ala Pro Ser Thr Ile Thr Thr
 130 135 140
 Leu Gly Gly Val Leu
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 <212> DNA
 <213> Oryza sativa

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 caagtattat acagaaaaat agaaagatct agtgccccgc agcaatgaag atcattttcg 180
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 ctgcatttca actgagaaac aaccaagtct ggcaacagct cgcgctggtg gcgcaacaat 420
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 gtgtcttgta atgtgtttta acaaggtata gtggttcgga agttaaaaat aagctcagat 660
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 <211> 148
 <212> PRT
 <213> Oryza sativa

<220>
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 Leu Gln Ser Pro Val Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
 35 40 45
 Glu Phe Val Arg Gln Gln Tyr Gly Ile Ala Ala Ser Pro Phe Leu Gln
 50 55 60
 Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Trp Gln Gln Leu Ala
 65 70 75 80
 Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Ile Val Gln Ala
 85 90 95
 Ile Ala Gln Gln Leu Gln Leu Gln Gln Phe Gly Asp Leu Tyr Phe Asp
 100 105 110
 Arg Asn Leu Ala Gln Ala Gln Leu Ala Phe Asn Val Pro Ser Arg Tyr
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 Gly Ile Tyr Pro Arg Tyr Tyr Gly Ala Pro Ser Thr Ile Thr Thr Leu
 130 135 140
 Gly Gly Val Leu

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<211> 650
<212> DNA
<213> *Oryza sativa*

<220>
<223> 13kD prolamine

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<210> 10
<211> 149
<212> PRT
<213> *Oryza sativa*

<220>
<223> 13kD prolamine

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20 25 30
Leu Gln Gln Gln Met Leu Ser Pro Cys Gly Glu Phe Val Arg Gln Gln
35 40 45
Cys Ser Thr Val Ala Thr Pro Phe Phe Gln Ser Pro Val Phe Gln Leu
50 55 60
Arg Asn Cys Gln Val Met Gln Gln Gln Cys Cys Gln Gln Leu Arg Met
65 70 75 80
Ile Ala Gln Gln Ser His Cys Gln Ala Ile Ser Ser Val Gln Ala Ile
85 90 95
Val Gln Gln Leu Gln Leu Gln Gln Phe Ser Gly Val Tyr Phe Asp Gln
100 105 110
Ala Gln Ala Gln Ala Gln Ala Met Leu Gly Leu Asn Leu Pro Ser Ile
115 120 125
Cys Gly Ile Tyr Pro Ser Tyr Asn Thr Val Pro Glu Ile Pro Thr Val
130 135 140
Gly Gly Ile Trp Tyr
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<210> 11
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<212> DNA
<213> *Oryza sativa*

<220>

<223> 13kD prolamine

<400> 11

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atatcaacta caatcgcatc tccagctaca gcaacaagtg ctcagcccat gcagtgagtt    180
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gataaacaac caagtcatgc agcaacagtg ttgccaacag ctcaggctgg tagcgcaaca    300
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cttgccatcc atatgtggta tctatcctaa ctactacatt gctccgagga gcattccac    480
cgttggtgtg tctggtactg aattgtaata gtataatggg tcaaagtta aaaataaagt    540
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<211> 158

<212> PRT

<213> Oryza sativa

<220>

<223> 13kD prolamine

<400> 12

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          20           25           30
Leu Gln Ser His Leu Gln Leu Gln Gln Gln Val Leu Ser Pro Cys Ser
          35           40           45
Glu Phe Val Arg Gln Gln His Ser Ile Val Ala Thr Pro Phe Trp Gln
          50           55           60
Pro Ala Thr Phe Gln Leu Ile Asn Asn Gln Val Met Gln Gln Gln Cys
65           70           75           80
Cys Gln Gln Leu Arg Leu Val Ala Gln Gln Ser His Tyr Gln Ala Ile
          85           90           95
Ser Ser Val Gln Ala Ile Val Gln Gln Leu Gln Leu Gln Gln Val Gly
          100          105          110
Val Val Tyr Phe Asp Gln Thr Gln Ala Gln Ala Gln Ala Leu Leu Ala
          115          120          125
Leu Asn Leu Pro Ser Ile Cys Gly Ile Tyr Pro Asn Tyr Tyr Ile Ala
          130          135          140
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145           150           155
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<211> 603

<212> DNA

<213> Oryza sativa

<220>

<223> 13kD prolamine

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aggcaacagt atagcatagt ggcaaccccc ttctggcaac cagctacgtt tcaattgata 240
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ggtgggtgtct ggtactgaat tgtaacaata taatagttcg tatgttaaaa ataaagtcac 540
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<220>
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<400> 14

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		20					25					30			
Leu	Gln	Ser	His	Leu	Leu	Leu	Gln	Gln	Gln	Val	Leu	Ser	Pro	Cys	Ser
		35				40					45				
Glu	Phe	Val	Arg	Gln	Gln	Tyr	Ser	Ile	Val	Ala	Thr	Pro	Phe	Trp	Gln
		50				55				60					
Pro	Ala	Thr	Phe	Gln	Leu	Ile	Asn	Asn	Gln	Val	Met	Gln	Gln	Gln	Cys
65					70				75					80	
Cys	Gln	Gln	Leu	Arg	Leu	Val	Ala	Gln	Gln	Ser	His	Tyr	Gln	Ala	Ile
			85					90					95		
Ser	Ile	Val	Gln	Ala	Ile	Val	Gln	Gln	Leu	Gln	Leu	Gln	Gln	Phe	Ser
		100					105					110			
Gly	Val	Tyr	Phe	Asp	Gln	Thr	Gln	Ala	Gln	Ala	Gln	Thr	Leu	Leu	Thr
		115				120						125			
Phe	Asn	Leu	Pro	Ser	Ile	Cys	Gly	Ile	Tyr	Pro	Asn	Tyr	Tyr	Ser	Ala
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Pro	Arg	Ser	Ile	Ala	Thr	Val	Gly	Gly	Val	Trp	Tyr				
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 <212> DNA
 <213> *Oryza sativa*

<220>
 <223> 13kD prolamine

<400> 15

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atattaggca	atatacagtg	cagtgcctc	tcctgctaca	gcaacaggtg	cttagcccat	180
ataatgagtt	cgtaaggcag	cagtatagca	ttgcggcaag	caccttcttg	caatcagctg	240
cgtttcaact	gagaaacaac	caagtcttgc	aacagctcag	gctgggtggcg	caacaatctc	300
actaccagga	cattaacgtt	gtccaggcca	tagcgcacca	gctacacctc	cagcagtttg	360
gcaatctcta	cattgaccgg	aatctggctc	aagctcaagc	actgttgget	tttaacttgc	420

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<210> 16
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<212> PRT
<213> Oryza sativa

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<220>
<223> 13kD prolamine

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          20          25          30
Val Gln Ser Pro Leu Leu Leu Gln Gln Gln Val Leu Ser Pro Tyr Asn
          35          40          45
Glu Phe Val Arg Gln Gln Tyr Ser Ile Ala Ala Ser Thr Phe Leu Gln
          50          55          60
Ser Ala Ala Phe Gln Leu Arg Asn Asn Gln Val Leu Gln Gln Leu Arg
65          70          75          80
Leu Val Ala Gln Gln Ser His Tyr Gln Asp Ile Asn Val Val Gln Ala
          85          90          95
Ile Ala His Gln Leu His Leu Gln Gln Phe Gly Asn Leu Tyr Ile Asp
          100          105          110
Arg Asn Leu Ala Gln Ala Gln Ala Leu Leu Ala Phe Asn Leu Pro Ser
          115          120          125
Thr Tyr Gly Ile Tyr Pro Trp Se

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